

IFW

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

98

Application Number

10/657,318

Filing Date

09/08/2003

First Named Inventor

Martin, Allen

Art Unit

3748

Examiner Name

Trieu, Thai-Ba

Attorney Docket Number

PHDL0525-006

ENCLOSURES (Check all that apply)



Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)



Reply to Missing Parts/
Incomplete Application



Reply to Missing Parts
under 37 CFR 1.52 or 1.53



Drawing(s)



Licensing-related Papers



Petition



Petition to Convert to a
Provisional Application



Power of Attorney, Revocation
Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____

☐ Landscape Table on CD

Remarks



After Allowance Communication to TC



Appeal Communication to Board
of Appeals and Interferences



Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)



Proprietary Information



Status Letter



Other Enclosure(s) (please identify
below):

Itemized Return Postcard
Copy of IDS-Cited References

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Ellis & Venable

Signature

Printed name

Anthony D. Logan

Date

5/26/2005

Reg. No.

41,162

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Yvonne Venable

Typed or printed name

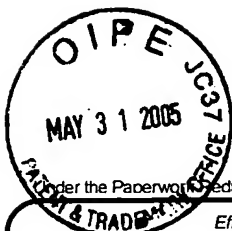
YVONNE VENABLE

Date

5-26-05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04)

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**
For FY 2005☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00

Complete if Known

Application Number	10/657,318
Filing Date	09/08/2003
First Named Inventor	Martin, Allen
Examiner Name	Trieu, Thai-Ba
Art Unit	3748
Attorney Docket No.	PHDL0525-006

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 502085 Deposit Account Name: Ellis & Venable, P.C.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s)
under 37 CFR 1.16 and 1.17☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP = _____ x _____ = _____						
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
- 3 or HP = _____ x _____ = _____						
HP = highest number of independent claims paid for, if greater than 3						

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____				

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Submission of an Information Disclosure Statement \$180.00

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	41,162	Telephone	602-631-9100
Name (Print/Type)	Anthony D. Logan	Date	5/26/2005		

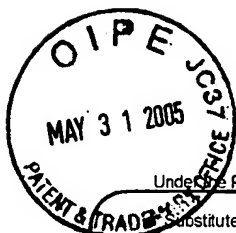
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PTO/SB/08A (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/657,318
		Filing Date	09/08/2003
		First Named Inventor	Martin, Allen
		Art Unit	3748
		Examiner Name	Trieu, Thai-Ba
Sheet 1 of 3	Attorney Docket Number	PHDL0525-006	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-6,129,510	10-10-2000	Martin	
		US-5,368,004	11-29-1994	Mann	
		US-5,302,157	04-12-1994	Oruga et al.	
		US-5,176,581	01-05-1993	Kumm	
		US-3,590,791	07-06-1971	Roosa	
		US-5,308,291	05-03-1994	Robertson et al.	
		US-5,423,304	06-13-1995	Lawrence et al.	
		US-5,911,211	06-15-1999	Uchida	
		US-5,020,971	06-04-1991	Greenspan	
		US-4,896,734	01-30-1990	Horiuchi et al.	
		US-5,060,622	10-29-1991	Suzuki	
		US-5,887,576	03-30-1999	Wheeler, Jr. et al.	
		US-5,112,281	05-12-1992	Minato et al.	
		US-4,770,549	09-13-1988	Rokkaku et al.	
		US-4,773,895	09-27-1988	Takami et al.	
		US-4,815,428	03-28-1989	Bunk	
		US-4,913,690	04-03-1990	Di Giacomo et al.	
		US-4,934,837	06-19-1990	Kawamura	
		US-5,224,459	07-06-1993	Middlebrook	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP-405272494-A	10-19-1993	Somahara et al.		
		DE-40 11 818-A1	10-17-1991	Herwig		
		DE-42 26 550-A1	02-17-1994	Mundorff et al.		
		JP-357183523-A	11-11-1982	Takamatsu		
		JP-405106457-A	04-27-1993	Nakamura		
		JP-403168329-A	07-22-1991	Tateno		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 3**Complete if Known**

Application Number	10/657,318
Filing Date	09/08/2003
First Named Inventor	Martin, Allen
Art Unit	3748
Examiner Name	Trieu, Thai-Ba
Attorney Docket Number	PHDL0525-006

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,334,107	08-02-1994	White	
		US- 5,415,592	05-16-1995	Hoyt	
		US- 5,522,667	06-14-1996	Miyake	
		US- 5,704,862	01-06-1998	Janne et al.	
		US- 5,851,635	12-22-1998	Di Giacomo et al.	
		US- 6,012,436	01-11-2000	Boutcher	
		US- 124,131	02-27-1872	Hagerty	
		US- 148,808	03-24-1874	Cleves	
		US- 235,018	11-30-1880	Poullain et al.	
		US- 664,505	12-25-1900	Richards	
		US- 1,286,482	12-03-1918	Yoder	
		US- 2,835,238	05-20-1958	Oehrli	
		US- 2,917,935	12-22-1959	Haug	
		US- 4,028,955	06-14-1977	Fisher et al.	
		US- 4,216,679	08-12-1980	Howerton et al.	
		US- 4,369,020	01-18-1983	Rahnke	
		US- 4,653,349	03-31-1987	Kaneyuki	
		US- 6,082,340	07-04-2000	Heimark	
		US- 4,149,497	04-17-1979	Zeliszewycz	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		JP-406058158-A	03-01-1994	Teraoka		
		JP-404050432-A	02-19-1992	Shirai		

Examiner
SignatureDate
Considered

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/657,318
				Filing Date	09/08/2003
				First Named Inventor	Martin, Allen
				Art Unit	3748
				Examiner Name	Trieu, Thai-Ba
Sheet	3	of	3	Attorney Docket Number	PHDL0525-006

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		DR. ENG. W.T. VON DER NUELLE, Superchargers and Their Comparative Performance, Society of Automotive, January 14-18, 1952 New York city, NY, USA	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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